



FIG. 1a

HUMAN NEUROPEPTIDE Y (NPY) GENE

EXON 1 (M14295)

1 cgcgttcttc aggcagtgcc tggggcggga ggggtggggt gtgggtggct ccctaagtcg
 61 acactcgtgc ggctgcggtt ccagcccccct ccccccgccca ctcaggggag ggaagtggcg
 121 ggtgggagtc acccaagcgt gactgcccga ggcccctcct gccgcggcga ggaagtcca
 181 taaaagccct gtcgcgaccc gctctctgca CCCCATCCGC TGGCTCTCAC CCCTCGGAGA
 241 CGCTCGCCCG ACAGCATAGT ACTTGCCGCC CAGCCACGCC CGCGCGCCAG CCACCGTGAG
 301 tgctacgacc cgtctgtcta ggggt

EXON 2 (M14296)

1 cccgtccggt gagccttctg tgccctgcagA TGCTAGGTAA CAAGCGACTG GGGCTGTCCG
 61 GACTGACCCT CGCCCTGTCC CTGCTCGTGT GCCTGGGTGC GCTGGCCGAG GCGTACCCCT
 121 CCAAGCCGGA CAACCCGGGC GAGGACGCAC CAGCGGAGGA CATGGCCAGA TACTACTCAG
 181 CGCTGCGACA CTACATCAAC CTCATCACCA GGCAGAGgtg ggtgggaccg cgggaccgat
 241 tccggga

EXON 3 (M14297)

1 acttgcttta aaagactttt ttttttccag ATATGGAAAA CGATCTAGCC CAGAGACACT
 61 GATTTCAGAC CTCTTGATGA GAGAAAGCAC AGAAAATGTT CCCAGAACTC Ggtatgacaa
 121 ggcttgtgat ggggacattg tt

EXON 4 (M14298)

1 CCTTACATGC TTTGCTTCTT ATGTTTTACA Ggcttgaaga ccctgcaatg tggatgatggg
 61 aaatgagact tgctctctgg ccttttcccta ttttcagccc atatttcatc gtgtaaaacg
 121 agaatccacc catcctacca atgcatgcag ccactgtgct gaattctgca atgttttctt
 181 ttgtcatcat tgtatatatg tgtgtttaaa taaagtatca tgcattcaaa agtgtatcct
 241 cctcaatgaa aaatctatta caatagttag gattattttc gttaaactta ttattaacaa

FIG. 1b

HUMAN NEUROPEPTIDE Y (NPY) mRNA

K01911

1 accccatccg ctggtctctca cccctcggag acgctcgccc gacagc^catag tacttgccgc
61 ccagccacgc ccgcgcgcca gccaccatgc taggtaacaa gcgac^cgggg ctgtccggac
121 tgaccctcgc cctgtccctg ctcggtgtgcc tgggtgcgct ggccgagggc taccctcca
181 agccggacaa cccgggcgag gacgcaccag cggaggacat ggccagatac tactcggcgc
241 tgcgacacta catcaacctc atcaccaggc agagatatgg aaaacgatcc agcccagaga
301 cactgatttc agacctcttg atgagagaaa gcacagaaaa tggtcccaga actcggcttg
361 aagaccctgc aatgtggtga tgggaaatga gacttgctct ctggcctttt cctattttca
421 gcccatattt catcgtgtaa aacgagaatc caccatcct accaatgcat gcagccactg
481 tgctgaattc tgcaatgttt tcctttgtca tcattgtata tatgtgtgtt taaataaagt
541 atcatgcatt c

FIG. 1c

103260 663430